

REMARKS

The above claim amendments are presented in order to remove multiple claim dependencies, so as to reduce the required filing fee.

Attached hereto is a marked-up version of the changes made to the claims by the current amendment. The attachment page is captioned "**Version With Markings to Show Changes Made.**"

Respectfully submitted,

Naoyuki KOIZUMI et al.

By 

Matthew Jacob

Registration No. 25,154

Attorney for Applicants

MJ/lah
Washington, D.C. 20006-1021
Telephone (202) 721-8200
Facsimile (202) 721-8250
January 3, 2002

group, and R^5 represents a group other than a substituted or unsubstituted phenylcarbonyl group;

② when R^4 represents a lower alkanoyl group, a substituted or unsubstituted phenylcarbonyl group, a heteroarylcarbonyl group, a lower alkylsulfonyl group, or a sulfamoyl group, X represents CH_2 and R^5 represents a group other than a substituted or unsubstituted phenylcarbonyl group; and

③ when R^5 represents a substituted or unsubstituted phenylcarbonyl group, X represents CH_2 and R^4 represents a group other than a lower alkanoyl group, a substituted or unsubstituted phenylcarbonyl group, a heteroarylcarbonyl group, a lower alkylsulfonyl group, and a sulfamoyl group]; or

R^3 and A, together with the phenyl group to which they are attached, represent a fluoren-2-yl or 9-oxofluoren-2-yl group; provided that, when R^3 represents a hydrogen atom, A does not represent an unsubstituted phenyl group.

2. A phenyl sulfamate derivative or a salt thereof as claimed in claim 1 wherein both R^1 and R^2 represent hydrogen atoms.

3. A phenyl sulfamate derivative or a salt thereof as claimed in claim 1 or 2 wherein R^3 represents a hydrogen atom or a halogen atom.

4. *Claim 1*
 A phenyl sulfamate derivative or a salt thereof as claimed in ~~any of claims 1 to 3~~ wherein A is located at the 4-position.

5. *Claim 1*
 A phenyl sulfamate derivative or a salt thereof as claimed in ~~any of claims 1 to 4~~ wherein A represents a substituted phenyl group or a group of the formula $-X-NR^4R^5$.

6. A phenyl sulfamate derivative or a salt thereof as claimed in

10019695 "010300"

claim 5 wherein the substituted phenyl group is a phenyl group substituted by one or two substituents selected from halogen, lower alkyl, halogen-substituted lower alkyl, cyano-substituted lower alkyl, lower alkoxy, lower alkanoyloxy, $-\text{OSO}_2\text{NR}^1\text{R}^2$, organic sulfonyloxy, amino, lower alkanoylamino, $-\text{NHSO}_2\text{NR}^1\text{R}^2$, organic sulfonylamino, nitro, cyano, carboxyl and lower alkoxycarbonyl.

7. A phenyl sulfamate derivative or a salt thereof as claimed in claim 6 wherein, in the substituted phenyl group, the substituent or substituents are located at the 2- and/or 4-positions of the phenyl group.
8. A phenyl sulfamate derivative or a salt thereof as claimed in claim 5 wherein A represents a group of the formula $-\text{X}-\text{NR}^4\text{R}^5$ and R^4 represents a hydrogen atom, a lower alkyl group or a heteroaryl group.
9. A phenyl sulfamate derivative or a salt thereof as claimed in claim 8 wherein the heteroaryl group is a five- or six-membered monocyclic heteroaryl group containing 1 to 3 nitrogen atoms.
10. A phenyl sulfamate derivative or a salt thereof as claimed in claim 5 wherein R^5 represents a substituted phenyl group.
11. A phenyl sulfamate derivative or a salt thereof as claimed in claim 10 wherein the substituted phenyl group is a phenyl group substituted by one or two substituents selected from hydroxyl, lower alkanoyloxy, $-\text{OSO}_2\text{NR}^1\text{R}^2$, nitro and cyano.
12. A steroid sulfatase inhibitor containing, as an active ingredient, a phenyl sulfamate derivative of formula (I) or a salt thereof as claimed in ~~any of claims 1 to 11.~~ ^{claim 1}.

10019693 " 010302

13. An agent for the treatment of breast cancer, corpus uteri cancer, endometrial hyperplasia, infertility, endometriosis, adenomyosis uteri, autoimmune diseases, dementia or Alzheimer's disease, which contains, as an active ingredient, a phenyl sulfamate derivative of formula (I) or a salt thereof as claimed in ^{Claim 1} ~~any of claims 1 to 11~~.

14. A pharmaceutical composition comprising a phenyl sulfamate derivative of formula (I) or a salt thereof as claimed in ^{Claim 1} ~~any of claims 1 to 11~~, and a pharmaceutically acceptable adjuvant.

15. The use of a phenyl sulfamate derivative of formula (I) or a salt thereof as claimed in ^{Claim 1} ~~any of claims 1 to 11~~, for the prophylaxis or treatment of breast cancer, corpus uteri cancer, endometrial hyperplasia, infertility, endometriosis, adenomyosis uteri, autoimmune diseases, dementia or Alzheimer's disease.

16. A method for the prophylaxis or treatment of breast cancer, corpus uteri cancer, endometrial hyperplasia, infertility, endometriosis, adenomyosis uteri, autoimmune diseases, dementia or Alzheimer's disease in a human being or other mammal which comprises administering a phenyl sulfamate derivative of formula (I) or a salt thereof as claimed in ^{Claim 1} ~~any of claims 1 to 11~~, to the human being or other mammal.

17. The use of a phenyl sulfamate derivative of formula (I) or a salt thereof as claimed in ^{Claim 1} ~~any of claims 1 to 11~~, for the preparation of an agent for the treatment of breast cancer, corpus uteri cancer, endometrial hyperplasia, infertility, endometriosis, adenomyosis uteri, autoimmune diseases, dementia or Alzheimer's disease.

100196597-010306